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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/820,965	03/30/2001	Lev Brouk	GRCN001/03US	3908
22434	7590	09/28/2005	EXAMINER	
BEYER WEAVER & THOMAS LLP			ZHONG, CHAD	
P.O. BOX 70250			ART UNIT	
OAKLAND, CA 94612-0250			PAPER NUMBER	

2152

DATE MAILED: 09/28/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/820,965

Applicant(s)

BROUK ET AL.

Examiner

Chad Zhong

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 23 August 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-34 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-34 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 6/16/05; 7/5/05
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

RP

FINAL ACTION

1. This action is responsive to communications: Amendment, filed on 08/23/2005. This action has been made final.

2. Claims 1-34 are presented for examination. In amendment, filed on 08/23/2005:

Claims 1, 13-14 and 28 are amended.

Claims 2-12, 15-27, and 29-34 are previously presented.

3. Applicant's arguments with respect to claims 1-34 have been considered but are moot in view of the new ground(s) of rejection as necessitated by Applicant's amendment.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371 (c) of this title before the invention thereof by the applicant for patent.

5. Claims 1-34 are rejected under 35 U.S.C. 102(e) as being anticipated by Ims et al. (hereinafter Ims), US 2002-0091533.

6. As per claim 1, Ims teaches a method for routing application-level messages in a message routing network, comprising:

(a) invoking a first service during a logical routing of an application-level message in said message routing network, said first service invocation having a first context ([0033]; [0068-0069]); and

(b) invoking a second service during said logical routing of said message in said message routing network, said second service invocation having a second context that is defined at least in part by said first service ([0033]; [0068-0069]).

8. As per claim 2, Ims teaches the message routing method of claim 1, wherein a context to an invocation includes an identity of an invoker service ([0068-0069]; identity are the vendors, it should be noted that the vendor information as well as other parameters, i.e. invocation information are all part of the XML document).

9. As per claim 3, Ims teaches the message routing method of claim 1, wherein a context to an invocation includes arguments to an invoked service ([0063]; [0068-0069]).

10. As per claim 4, Ims teaches the message routing method of claim 1, wherein a context to an invocation includes a session identifier for said message ([0071]; wherein the session IDs corresponding to various types of transactions in the e-business environment).

11. As per claim 5, Ims teaches the message routing method of claim 1, wherein a context to an invocation includes a topic for said message (Appendix A.1, pg 14, name, description and the author of the message is indicated).

12. As per claim 6, Ims teaches a context to an invocation includes billing responsibility for said invocation ([0013]).

13. As per claim 7, Ims teaches the message routing method of claim 1, wherein said message routing network controls at least part of an invocation ([0068-0069]).

14. As per claim 8, Ims teaches the message routing method of claim 1, wherein a context of

an invocation is included at least in part in a header element of a message ([0068-0069]; Appendix A.3, pg 29; Appendix A.5, pg 39 wherein the XML headers contains the invocation information).

14. As per claim 9, Ims teaches the message routing method of claim 1, wherein a context of an invocation is included at least in part in a body element of a message ([0068-0069]; Appendix A.5, pg 39).

15. As per claim 10, Ims teaches the message routing method of claim 1, wherein a context of an invocation is included at least in part in an attachment of a message (the XML document and scripts are part of the attachment in the message, [0016]; [0090]; [0095]).

16. As per claim 11, Ims teaches the message routing method of claim 1, further comprising restoring said context, upon return from said second service invocation, to said first context ([0068-0069]).

17. As per claim 12, Ims teaches the message routing method of claim 1, further comprising adding a returned context from said second service invocation to said restored context ([0068-0069]).

18. As per claim 13, claim 13 is rejected for the same reasons as rejection to claim 1 above.

19. As per claim 14, Ims teaches a message routing system, comprising:

a message routing network that enables routing of application-level messages between a plurality of services, wherein said routing is based on a logical routing of said message that is effected through a sequence of invocations among said plurality of services, wherein a context of an invocation is defined at least in part by an invoking service, wherein upon return from a service invocation, said message routing network restores a message context to a context state of an invoking service of said service invocation ([0068-0069]).

20. As per claim 15, claim 15 is rejected for the same reasons as rejection to claim 8 above.

21. As per claim 16, Ims teaches the message routing system of claim 14, wherein a context to an invocation includes an identity of an invoker service ([0033]; [0068-0069]).

22. As per claim 17, Ims teaches the message routing system of claim 14, wherein a context to an invocation includes arguments to an invoked service (Appendix 1.A, pg 13).

23. As per claims 18-21, the claims are rejected for the same reasons as rejection to claims 4-7 above respectively.

24. As per claim 22, Ims teaches the message routing system of claim 14, wherein said logical routing occurs prior to a physical routing of a message ([0063]; [0068]).

25. As per claim 23, Ims teaches the message routing system of claim 14, wherein at least part of said logical routing occurs after initiation of a physical routing of a message ([0033]; [0068-0069]).

26. As per claim 24, Ims teaches the message routing system of claim 14, wherein physical routing of a message occurs at identified points during said logical routing ([0033]; [0068-0069]).

27. As per claims 25-27, claims 25-27 are rejected for the same reasons as rejection to claims 8-10 above respectively.

28. As per claim 28, Ims teaches a message routing method, comprising:

(a) invoking a first service that receives only logical delivery of an application message, said application level message being received over a public network, wherein said first service invocation has a first context defined at least in part by a first invoking service ([0033]; [0068-0069]; [0051]);

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(b) invoking a second service, said second service invocation having a second context that is defined at least in part by said first service, wherein said second service invocation is managed by a message routing network on behalf of said first service ([0068-0069]); and

(c) delivering said message having said second context to said second service over said public network ([0068-0069]).

29. As per claim 29-34, claims 29-34 are rejected for the same reasons as rejection to claims 1, 8, 2-6 above respectively.

Conclusion

30. **THIS ACTION IS MADE FINAL.** Applicant is reined of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

31. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The following patents and publications are cited to further show the state of the art with respect to "System And Method For Outing Messages Between Applications".

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|------|------------|----------------|
| i. | US 6529489 | Kikuchi et al. |
| ii. | US 5255389 | Wang |
| iii. | US 5333312 | Wang |
| iv. | US 6091714 | Sensel et al. |

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chad Zhong whose telephone number is (571)272-3946. The examiner can normally be reached on M-F 7:15 to 4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, BURGESS, GLENTON B can be reached on (571)272-3949. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

CZ
September 22, 2005



Dung C. Dinh
Primary Examiner